



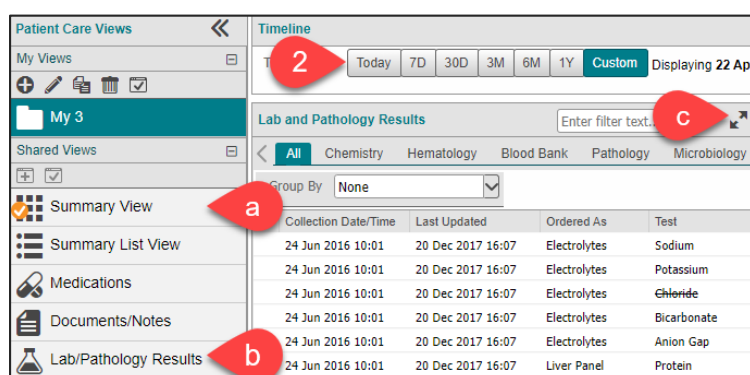


The Lab and Pathology Results portlet displays consolidated diagnostic laboratory tests from the Ontario Laboratories Information System (OLIS) for patients with an Ontario Health Number.

Viewing Information about Lab and Pathology Results

- In the Patient Care Views navigation bar:
 - Select **Summary View**  to view the condensed **Lab and Pathology Results portlet**
 - Select **Lab and Pathology Results**  or **Summary List view**  to display the full-sized portlet, OR
 - In the Lab and Pathology portlet, select **Portlet Expander**  to display the near full-size portlet
- As needed, change the timeline to view results: select **Today**, **7D**, **30D**, **3M**, **6M**, **1Y** or **Custom** (this changes the timeline for all portlets)

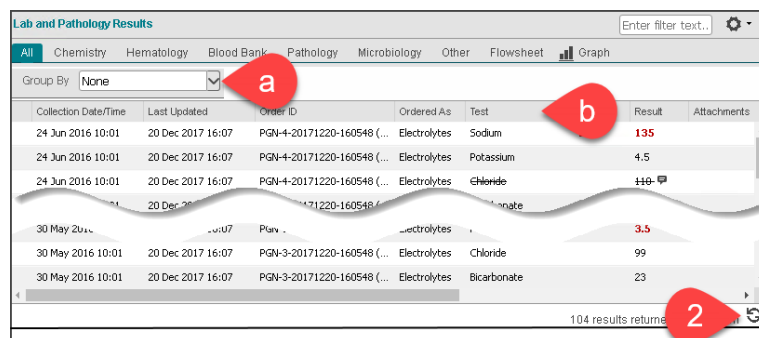


Sorting and Filtering Lab and Pathology Data

By default, the information in all tabs is listed by Collection Date and Time

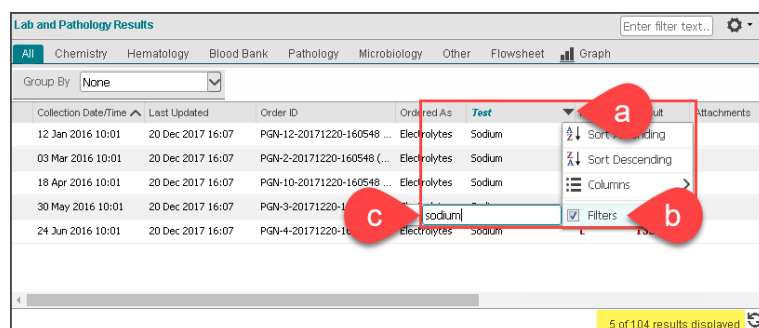
- To temporarily change the sort order:
 - Select an option from the **Group By** field, OR
 - Select a **column header** to sort by that column

Note: It is not possible to sort on test results in the Flowsheet tab
- To revert to the default sort order: select **Refresh**.
Note: This resets the **Group By** field to **None** and refreshes the retrieved data in the portlet



- To filter information:
 - Hover over a column header to display a **Down Arrow** ▼; select the arrow to display the menu
 - Hover over **Filters**
 - Select the filter and begin typing the filter value.
When the Filters checkbox is selected, the filter is applied as you type

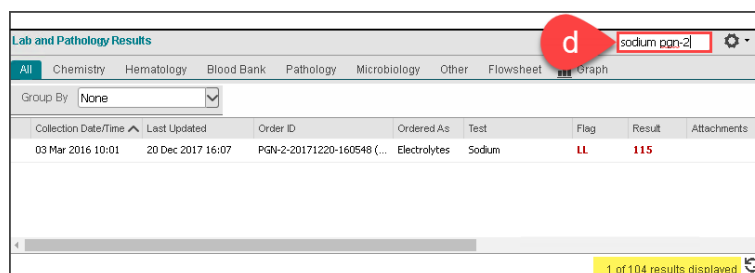
OR



- d) In the **Portlet Filter** box, enter the information to filter by. To filter on more than one column, separate the entries with a space
- e) To clear the filter, delete the entry in the **Portlet Filter** box

Notes:

- Portlet filtering works only on the content displayed in the portlet
- Portlet filtering can be combined with column filters



Lab and Pathology Results

Group By: None

Collection Date/Time	Last Updated	Order ID	Ordered As	Test	Flag	Result	Attachments
03 Mar 2016 10:01	20 Dec 2017 16:07	PGN-2-20171220-160548 (...)	Electrolytes	Sodium	LL	115	

1 of 104 results displayed

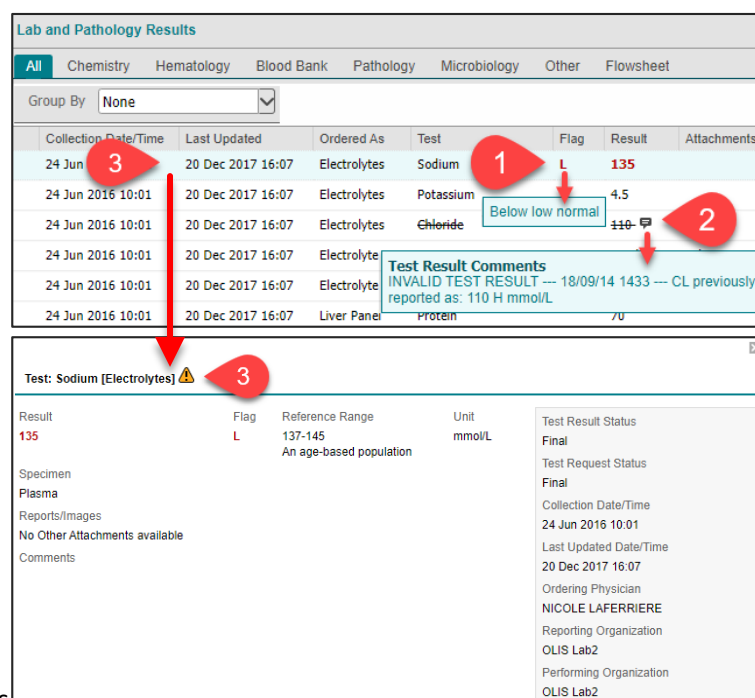
Viewing Details about Lab and Pathology Results

Visual indicators highlight results of interest and indicate where additional information is available.

- Flags display in **red** font. Hover over a flag to view its description

Flag	Description
	Abnormal result within a test request or grouping
L	Below low normal
H	Above high normal
LL	Below lower panic limits
HH	Above upper panic limits
A	Abnormal (applies to non-numeric results)
AA	Very abnormal (applies to non-numeric units; analogous to panic limits for numeric units)

- Hover over **Comments** to see Test Result Comments
- Select a row to see the full information about the result in **Details View**, located below the lab results table



Lab and Pathology Results

Group By: None

Collection Date/Time	Last Updated	Ordered As	Test	Flag	Result	Attachments
24 Jun 2016 10:01	20 Dec 2017 16:07	Electrolytes	Sodium	L	135	
24 Jun 2016 10:01	20 Dec 2017 16:07	Electrolytes	Potassium		4.5	
24 Jun 2016 10:01	20 Dec 2017 16:07	Electrolytes	Chloride		110	
24 Jun 2016 10:01	20 Dec 2017 16:07	Electrolyte				
24 Jun 2016 10:01	20 Dec 2017 16:07	Electrolyte				
24 Jun 2016 10:01	20 Dec 2017 16:07	Liver Panel	Protein		70	

Test Result Comments: INVALID TEST RESULT --- 18/09/14 1433 --- CL previously reported as: 110 H mmol/L

Test: Sodium [Electrolytes]

Result	Flag	Reference Range	Unit	Test Result Status
135	L	137-145 An age-based population	mmol/L	Final

Specimen: Plasma

Reports/Images: No Other Attachments available

Comments:

Test Request Status: Final

Collection Date/Time: 24 Jun 2016 10:01

Last Updated Date/Time: 20 Dec 2017 16:07

Ordering Physician: NICOLE LAFERRIERE




Reporting Organization: OLIS Lab2

Performing Organization: OLIS Lab2

Viewing the OLIS Full Report

The OLIS Full Report contains all test requests and test results placed in the order (i.e., the report is not specific to a single request or result)

1. In the Patient Care Views navigation bar, select **Lab/Pathology Results** to view the full size / individual portlet or select the portlet's **Expander** icon
 2. Select **OLIS Full Report** to view the report for the selected result
 3. Navigate through the report using the scroll bar inside the content pane
 4. Select **Print Current Tab** to print the full report
- Tip:** It is also possible to print as a PDF and save the file
5. Select **Close** or **X** to close the report window

Other Flowsheet							
Flag	Result	Attachments	Reference Range	Units	Test Result Status	Specimen	OLIS Full Report
L	135		137-145	mmol/L	Final	Plasma	
	4.5		3.6-5.0	mmol/L	Final	Plasma	
	110		98-107	mmol/L	Invalid	Plasma	

View Lab and Pathology Results - Google Chrome
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portal.training.connectinggta.ca/ProviderPortal/viewer/index.jsp

COTE-NORD, YULIA
DOB: 01 Jan 1962 (58y) Female
HCN: 5425414801

ConnectingOntario
ClinicalViewer

☐ Sodium

Test: Sodium
Last Updated: 20 Dec 2017 16:07

OLIS Full Report

PATIENT: COTE-NORD, YULIA | ONTARIO HEALTH NUMBER: 5425 414 801

Ministry of Health and Long Term Care
Ontario Laboratories Information System (OLIS)

PATIENT

Ontario Health Number
5425 414 801

Patient
COTE-NORD, YULIA

Sex
Female

Date of Birth
01 Jan 1962

Address
161 Claremonts St
Toronto ON M6J 2M7
(Home)

PROVIDER

Ordering Provider
LAFERRIERE, NICOLE
(MDL 73452)

REPORT DETAILS (Amended/Invalidation report)

Order Date
23 Jun 2016

Last Updated in OLIS
20 Dec 2017 16:07:39 EST

Primary Performing Organization
OLIS Lab2 (Lab 992)
LAB01 Facility Address Line One
Mississauga ON L4N 7P3

Primary Reporting Organization
OLIS Lab2 (Lab 992)
LAB01 Facility Address Line One

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User Id: cotrn316 Organization: University Health Network

Date: 2020 10:54

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Print Current Tab
Close

Using Flowsheet and Graph Views

Flowsheet allows for trending results over time and displays a sub-set of test results in four panels: Hematology, General Chemistry, Lipid Profile, Liver Panel/Pancreas Panel

The screenshot shows the 'Lab and Pathology Results' interface. At the top, a navigation bar includes tabs for 'All', 'Chemistry', 'Hematology', 'Blood Bank', 'Pathology', 'Microbiology', 'Other', and 'Flowsheet' (highlighted with a red circle 1). Below the navigation bar, a 'Graph' icon is shown with a red circle 7. A text box explains that the trend view may not include all data. The main area displays a table of test results across five dates: 24 Jun 2016 10:01, 30 May 2016 10:01, 22 Apr 2016 10:01, 20 Apr 2016 10:01, and 18 Apr 2016 10:01. The 'Hematology' panel is expanded, showing tests like Hemoglobin (70 * L, circled 3), Leukocytes (16.3 * H, circled 6), Platelets (89 * L, circled 2), MCV, Hematocrit, Neutrophils, Lymphocytes, Monocytes, Eosinophils, and Basophils. A tooltip for 'Platelets; Blood' is visible, showing a result of 89, units of 10e9/L, and a reference range of 150-450. The 'General Chemistry' panel is also expanded, showing tests like Sodium (135 * L, circled 5), Potassium (4.5, circled 4), Chloride (110, circled 4), Bicarbonate (24, circled 5), and Urea (23, circled 5). At the bottom right, it says '71 results returned from system'.

The screenshot shows the 'Test: Hemoglobin; Blood [Complete Blood Count]' details view. It includes a table with columns for Result, Flag, Reference Range, Unit, and Test Result Status. The result for Hemoglobin is 70, with a flag of L and a reference range of 115-160. The specimen is 'Blood venous' and the collection date/time is '22 Apr 2016 10:01'. A red circle 3 points to the test name.

1. In the navigation bar, select **Lab/PathologyResults** to view the full-size/individual portlet or select the portlet's **Expander** icon; select the **Flowsheet** tab
2. Hover over a result value to see additional information in a tooltip
3. Select a result value to see the full information about the result in **Details View**
4. Hover over **Comments** to see Test Result Comments
5. View results for other dates using the horizontal scroll bar
6. View results from other panels using the vertical scroll bar
7. Scroll down to **Details View** using the outside vertical scroll bar

Note: Printing is not available from the **Flowsheet** or **Graph** tabs

Tip: The mouse scroll wheel or keyboard arrow keys can also be used to navigate between the views

The results displayed on the **Flowsheet** tab can be viewed as a line or bar graph. Abnormal results are indicated with a red data point. Normal results are black.

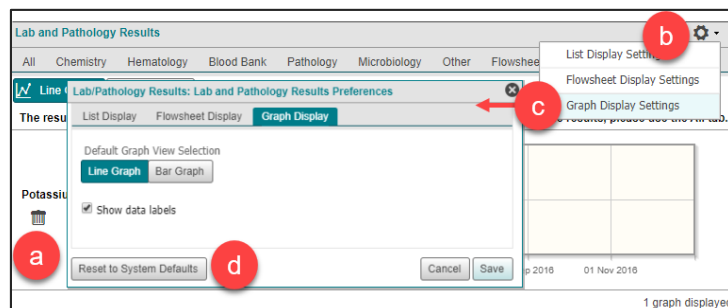
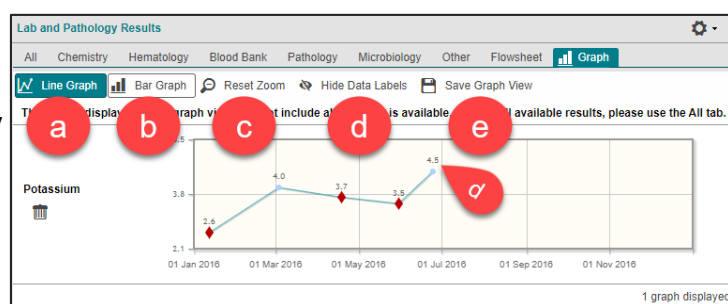
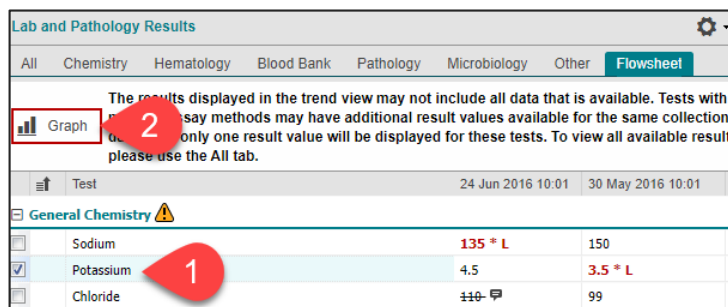
To display a graph for one or more lab results:

1. Select one or more of the displayed test result names
2. Select **Graph**
3. From the Graph tab, choose display options:
 - a) Display the results as a line graph
 - b) Display the results as a bar graph
 - c) Zoom in on particular results by dragging a rectangle around them. Reset to the default view by selecting **Reset Zoom**
 - d) **Hide or Show** the data labels
 - e) **Save the Graph View** to store the selected test types for any viewed patient (graph data will always display according to the selected date range on the timeline)

Note: Data labels may not appear for every point if they are close together and there is no significant change. Hover over a data point to see the details for the test (e.g., units of measure, reference range)

Tips:

- a) To clear a graph from a saved Graph View, select **Remove Graph** then select **Save Graph View** to save this change
- b) To clear all graphs from a saved Graph view, from **Preferences**
- c) Select **Graph Display Settings**
- d) Select **Reset to System Defaults**



Flowsheet Panels

The flowsheet/trend view displays a sub-set of lab results that are the most commonly ordered lab tests. Results are grouped into four panels: Hematology, General Chemistry, Liver Panel/Pancreas Panel and Lipid Profile.

Hematology	General Chemistry		Liver Panel/Pancreas Panel	Lipid Profile
<ul style="list-style-type: none"> Hemoglobin Leukocytes Platelets MCV Hematocrit Neutrophils Lymphocytes Monocytes Eosinophils Basophils Reticulocytes INR aPTT ESR 	<ul style="list-style-type: none"> Sodium Potassium Chloride Bicarbonate Urea Creatinine eGFR Glucose HbA1c Magnesium Calcium 	<ul style="list-style-type: none"> Phosphate TSH Thyroxine, Free Triiodothyronine, Free Vitamin B12 Ferritin Creatine Kinase HCG bHCG Albumin: Creatinine; Urine 	<ul style="list-style-type: none"> Aspartate Aminotransferase (AST) Alanine Aminotransferase (ALT) Alkaline Phosphatase (ALP) Albumin Bilirubin Total Bilirubin Glucuronidated Bilirubin Glucuronidated + Bilirubin Albumin Bound Amylase Triacylglycerol Lipase Lipoprotein Lipase 	<ul style="list-style-type: none"> Cholesterol HDL Cholesterol Cholesterol Non HDL Cholesterol/Cholesterol in HDL Ratio LDL Cholesterol Triglyceride CRP

Specimen Source Grouping

Results that have comparable specimen sources are grouped together as outlined in the table below. Only results with the outlined specimen sources display in the flowsheet.

Specimen Group Name	Specimen Sources			
Blood Test Results Specimen	<ul style="list-style-type: none"> Whole blood Blood venous Line arterial 	<ul style="list-style-type: none"> Line venous Cord blood arterial Cord blood venous 	<ul style="list-style-type: none"> Plasma Platelet poor plasma 	<ul style="list-style-type: none"> Serum Serum/plasma
Blood Test Result Capillary Specimen	<ul style="list-style-type: none"> Blood capillary 			
Urine Test Results Specimen	<ul style="list-style-type: none"> Urine 	<ul style="list-style-type: none"> Urine clean catch 	<ul style="list-style-type: none"> Urine sediment 	<ul style="list-style-type: none"> Urine catheter

Examples:

- Hemoglobin, as it appears in the flowsheet, is a grouping or trend of all blood hemoglobin results
- Hemoglobin, Capillary is trended separately from other Hemoglobin results because the specimen source is different

Notes about OLIS information:

- Ontario Health Number is the primary patient identifier used by the ClinicalViewer to match the patient to their results stored in OLIS
 - This may result in data being missing from the ClinicalViewer as:
 - smaller labs may report results using their own local identifiers instead of an Ontario Health Number
 - patients may only have federal health identifications (e.g. military personnel)
- OLIS does not contain all lab results that may have been completed for a patient or client
 - Further information can be obtained from the [Data Summary, Lab and Pathology Results Tab, Notes](#) section